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IDEALIST**

**IDEA 0056-67
Copy of**

17 March 1967

MEMORANDUM FOR: Deputy for Operations, OSA
SUBJECT: DD/S&T Career Training Program
REFERENCE: Memorandum from D/O/OSA, dated
2 March 1967, Subject: Same as
above

25X1A

**Attached is course material for the IDEALIST
portion of the DD/S&T Career Training Program as
requested in referenced memorandum.**

SIGNED

IDEA/OSA

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Attachments - 4

- 1. Lesson Plan (IDEALIST Operations).**
- 2. Lesson Plan (IDEALIST Mission Generation and Planning).**
- 3. Examination for Attachment 1.**
- 4. Examination for Attachment 2.**

IDEA/OSA **(16 Mar 67)**

Distribution:

- #1 - D/O/OSA**
- #2 - IDEA/OSA**
- #3 - RB/OSA**
- #4 - Holdback**

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Attachment 1**

LESSON PLAN

LESSON TITLE: IDEALIST Operations

DIVISION: IDEALIST Division, OSA

INSTRUCTOR:

PART I - Overview

1. Lesson Objective: The objective of this briefing is to familiarize each student with the past and present operation of Project IDEALIST.

2. Instructional Aids: Charts, Films

3. Time Required: 1 hour 40 minutes

4. Plan of Presentation: The instructor will present a brief outline of principle points to be covered during lecture period followed by Project history to present date. He then will present Project assets, operational use and procedures, and coordination when employed. The period will close with a summary of the major points presented.

PART II - Teaching Guide

A. Introduction:

1. Welcoming remarks.

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- 2. Brief outline of principle points to be covered during the lecture period.**

B. Development:

- 1. IDEALIST primary and secondary missions.**
- 2. History.**
 - a. Contract and Project approval.**
 - b. First flight of U-2.**
 - c. First overflight.**
 - d. Deactivated detachments.**
 - (1) Test and training.**
 - (2) Detachment A**
 - (3) Detachment B**
 - (4) Detachment C**
 - e. Present detachments.**
 - (1) Detachment G**
 - (a) Location**
 - (b) Capability**
 - (c) Personnel**
 - (d) Other assets**

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(2) Detachment H

- (a) Location**
- (b) Capability**
- (c) Personnel**
- (d) Other assets**

(3) Other operating bases.

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f. Operational overflights by area.

g. Operational losses and most probable causes for each loss.

- (1) Pilot**
- (2) Type mission.**
- (3) Launch and recovery base/bases.**
- (4) Location of loss.**

3. Performance and characteristics of U-2.

a. Basic aircraft (A model).

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b. U-2 models and specialized use.

(1) U-2C

(2) U-2F

(3) U-2G

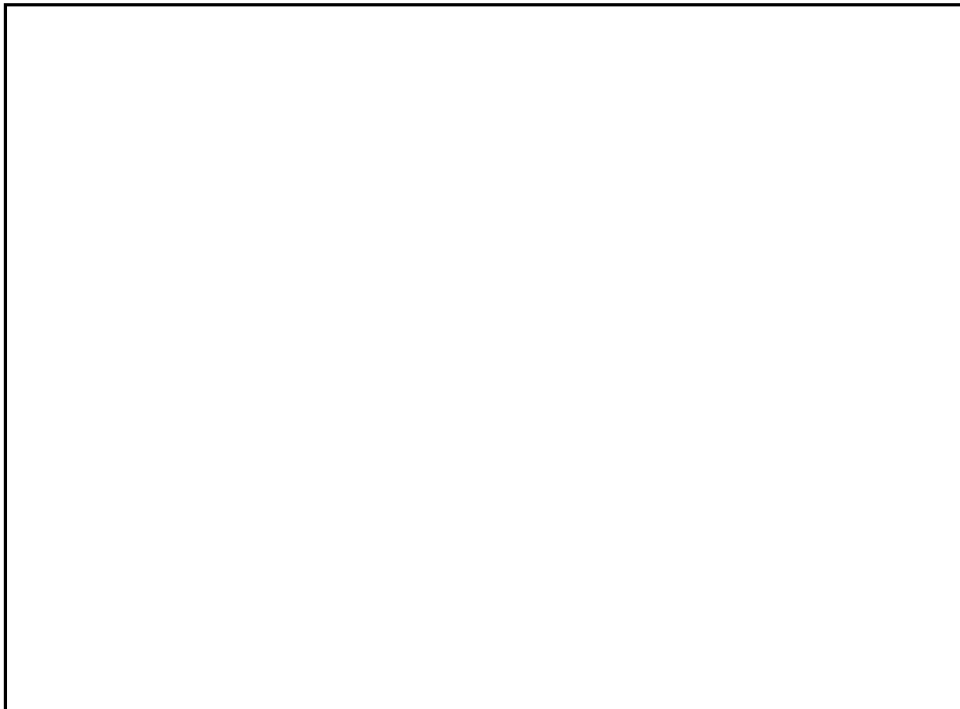
4. Special equipment.

a. Cameras

(1) B-2 Configuration

(2) Delta Configuration

(3) "H" Configuration



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6. Additional IDEALIST Projects/capabilities.

a.

b. Whale Tale,

c.

(only designed capability).

C. Conclusion:

Summary of major points presented.

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LESSON PLAN

LESSON TITLE: IDEALIST Mission Generation and Planning

DIVISION: IDEALIST Division, OSA

INSTRUCTOR:

PART I - Overview

1. Lesson Objective: The objective of this lesson is to familiarize each student with the planning procedures and coordination for generating an IDEALIST Operational Mission through the execution phase.

2. Instructional Aids: Maps, Charts

3. Time Required: 1 hour 40 minutes

4. Plan of Presentation: The instructor will introduce the lesson by presenting a brief outline of steps to be covered during briefing then proceed with the generation of an IDEALIST mission through execution.

PART II - Teaching Guide

A. Introduction:

1. Requirements (from the Intelligence Community through USIB).

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2. Approvals (303 Committee).

- a. Reoccurring Bank of Four.**
- b. As necessary for South China.**
- c. Special missions or areas requiring special approval.**

3. Briefings.

a. Weather

- (1) Weather from Offutt AFB (WECEN)**
- (2) When weather briefings are held.**
- (3) Categories of weather.**

b. Intelligence Briefings.

- (1) Requirements.**
- (2) Priority targets (COMOR and others of interest to U.S.)**
- (3) Latest coverage of COMOR targets.**
- (4) Chicom defenses (fighters, SAMs, etc.).**

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B. Development:

1. Alert briefing.

- a. Weather (actual alert weather from previously flown mission).**

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b. Intelligence (priority targets within good weather area).

c. Mission alerted.

(1) Notification

(a) Detachment

(b)

(c) White House Situation Room

(d) State Department

(e)

(f) JRC (for radar suppression).

(g) Processing facilities

(h) Request for airlift.

2. Mission Plan Briefing.

A. Timing (explain that mission plan may be at the same time as alert briefing if new mission or canned route is selected)

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- b. Weather briefing - actual weather from previous mission (later weather and possible minor changes in route if already selected).**
- c. Intelligence Briefing (any new developments).**
- d. Message Notification.**
 - (1) Mission Plan (to detachment).**
 - (2) NSA**
 - (3) JRC (firm route for radar suppression).**
 - (4) NPIC (for SAM search)**
- e. Mission planning (mission already selected).**
 - (1) General planning coordinations (fuel, camera times, Systems, take off time, etc.).**
 - (2) Flight lines.**
 - (3) Tactics (turns, penetration altitude, avoiding SAM sites, etc.).**
- f. Black Book.**
 - (1)**
 - (2) In house approval.**

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3. Go-No-Go Briefing.

- a. Weather (actual Weather Briefing on pre-selected mission).**
- b. Intelligence (actual briefing on pre-selected mission).**
- c. Decision (allow students to say whether mission is to be executed or not).**
- d. Execution message.**

C. Summary:

Explain that operational mission covered in lesson was an actual overflight and give brief results. Remainder of period for additional questions and answer period.

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IDEALIST OPERATIONS EXAMINATION

1. What was the elapsed time from go ahead for development of the U-2 until the first operational overflight?

Answer: 18 months.

2. What is the primary purpose for which the U-2 was designed?

Answer: Photo and ELINT collection from denied areas.

3. Name at least two additional capabilities of the U-2 aircraft.

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4. Give the date of the last overflight of the Soviet Union.

Answer: 1 May 1960.

5. IDEALIST Detachment G at Edwards AFB has a dual staging capability. True or False.

Answer: True.

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6. In 1960, IDEALIST changed to the J-75 engine in the U-2. What was the purpose of this change?

Answer: To increase altitude.

7. The development of the "G" model U-2 in 1964 gave IDEALIST operations what capability?

Answer: To fly operational missions from a U.S. aircraft carrier in areas where landing rights are difficult to obtain.

8. Which camera configuration is primarily used and obtains horizon to horizon coverage?

Answer: "B" Configuration.

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IDEALIST MISSION GENERATION AND PLANNING EXAMINATION

1. IDEALIST mission requirements normally originate from the Intelligence Community through several committees but final requirement comes from ?
Answer: The United States Intelligence Board.
2. Final approval for IDEALIST operational missions is granted by the "303" Committee of which one member represents the President of the United States. True or False.
3. Weather is provided daily by WECEN and presented to the OSA staff for possible operational missions in areas of high interest. True or False.
Answer: True.
4. What are the two primary hostile threats to the U-2 in its present environment?

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Answer: Surface to Air Missiles and high performance fighter interceptors.

- 5. Why is the minimum penetration altitude of 69,000 feet required when penetrating most denied territories?**

Answer: To reduce the possibility of interception by high performance fighters.

- 6. At the present time no IDEALIST operational missions are planned to overfly known Surface to Air Missile sites.**

True or False.

Answer: True.

- 7. A Black Book is prepared for each operational mission after initial alert and mission plan briefing to obtain ?**

Answer: In house approval.

- 8. After the execution of an operational mission by Project Headquarters the detachment commander still has the prerogative to cancel the mission. True or False.**

Answer: True.

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9. When an IDEALIST mission is alerted, NPIC will support the mission by conducting a search from most recent photography along mission track for what reason?

Answer: To locate Surface to Air Missile sites.

10. Why do you need the information presented to you by the IDEALIST Division?

Answer: Self determined.

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